



**What is claimed is:**

1        1.A video box of a VOD system, comprising:

2        A first signal processor, receiving an input signal that  
3        comprises analog program signals, wherein the first signal  
4        processor transfers the analog program signals into digital  
5        program signals, and then compresses the digital program  
6        signals into compressed program signals according to a  
7        compressing format, wherein the input signal is transmitted  
8        via a cable TV system;

9        A storage device, storing the compressed program signals;

10       A selecting device, which is adapted to provide a selecting  
11       signal, whereby selecting a decompressing signal from the  
12       compressed program signals in the storage device; and

13       A second signal processor, decompressing the decompressing  
14       signal into a broadcasting signal according to a decompressing  
15       format, and transmitting the broadcasting signals to a media  
16       device, thereby broadcasting the broadcasting signals.

1        2.The video box of claim 1, wherein the first signal  
2        processor further comprises a control unit, which is provided  
3        to send out a first control signal, wherein the first control  
4        signal is received by the storage device and the second signal  
5        processor;

6        The storage device starts storing the compressed program  
7        signals as receiving the first control signal; and

8        The second signal processor idles as receiving the first  
9        control signal.

1        3.The video box of claim 2, wherein the input signal further  
2        comprises a transmission signal, and the control unit produces  
3        the first control signal as the first signal processor detects  
4        the transmission signal.

1        4.The video box of claim 3, wherein the storage device  
2        comprises a disk device.



1        5. The video box of claim 4, wherein the disk device stores  
2 the compressing program signals with existing data of the disk  
3 device that is overwritten.

1        6. The video box of claim 4, wherein the compressing format  
2 includes an encryption rule, and the decompressing format  
3 includes a decryption rule corresponding to the encryption  
4 rule.

1        7. The video box of claim 4, wherein the media device is a  
2 digital TV.

1        8. The video box of claim 4, wherein the second signal  
2 processor further comprises a D/A converter, which is provided  
3 to convert the broadcasting signals into analog signals, and  
4 the media device is an analog TV.

1        9. The video box of claim 4, wherein the input signal further  
2 comprises a stop-transmission signal, whereby the control  
3 device essentially stops sending out the first control signal  
4 as the first signal processor receives the stop-transmission  
5 signal.

1        10. The video box of claim 4, further comprising a timer  
2 device, which is used to clock a transmission time;

3        The input signal further comprises a transmission-time  
4 signal, which indicates a predetermined time; and

5        The timer device starts clocking the transmission time as  
6 the control device starts sending out the first control signal,  
7 and the control device stops sending out the first control  
8 signal as the transmission time reaches the predetermined  
9 time.